

10073699.024102

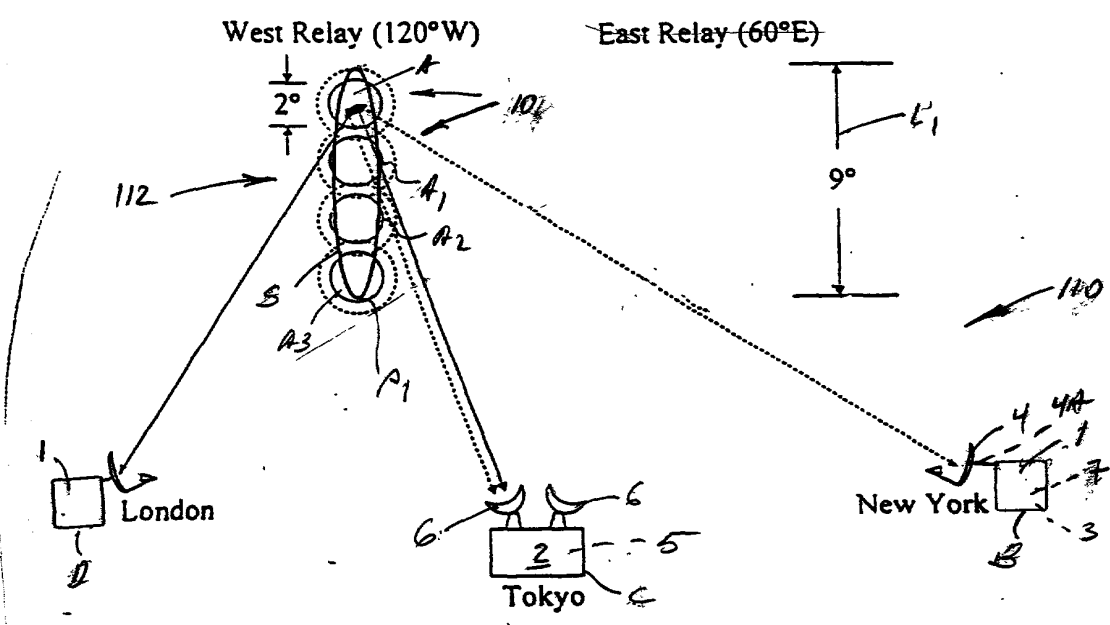
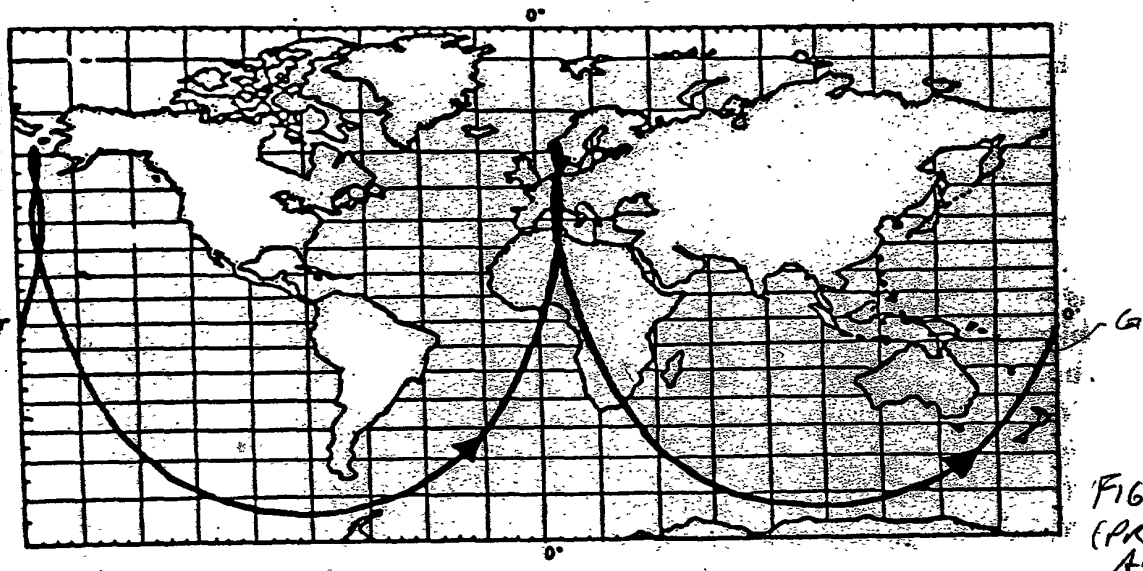


FIG. 1

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FIG. 2

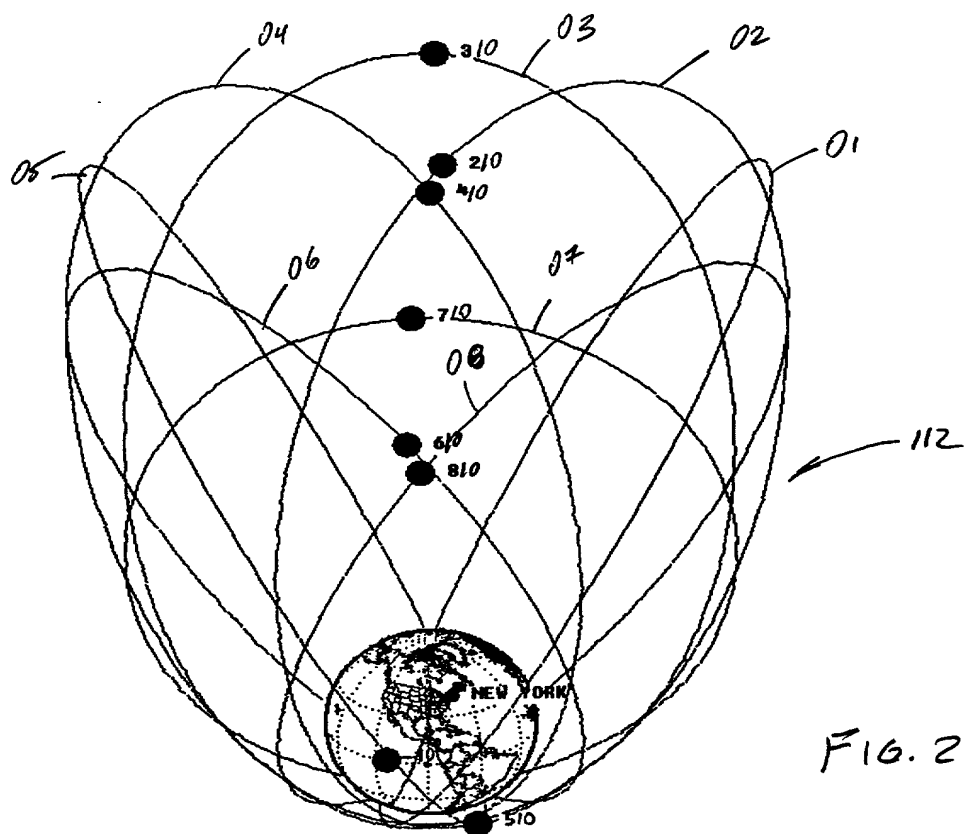
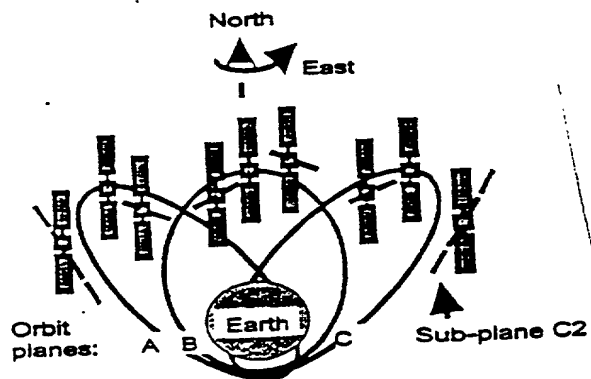


FIG. 2A

8 SATELLITES IN MOLNIYA ORBITS

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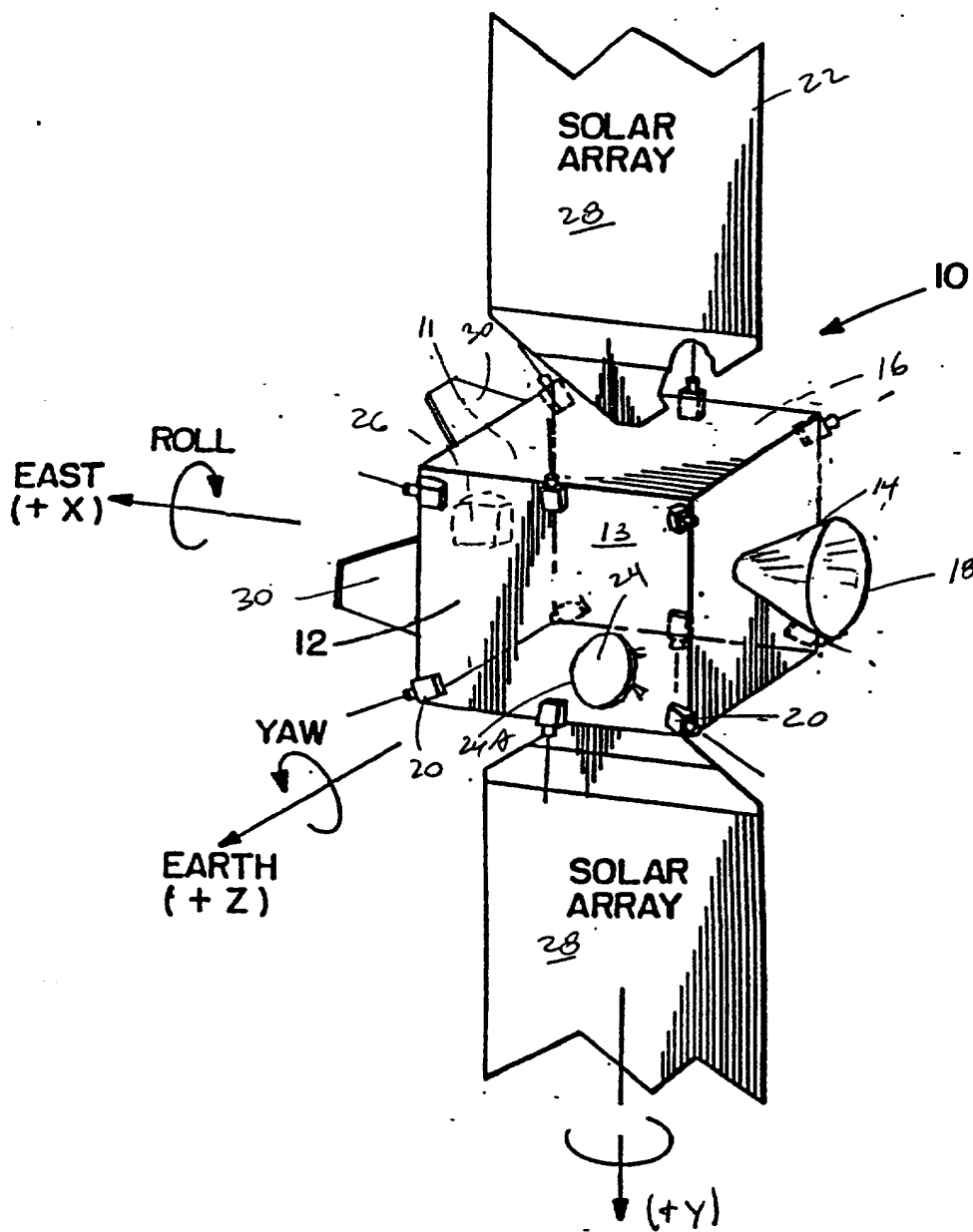
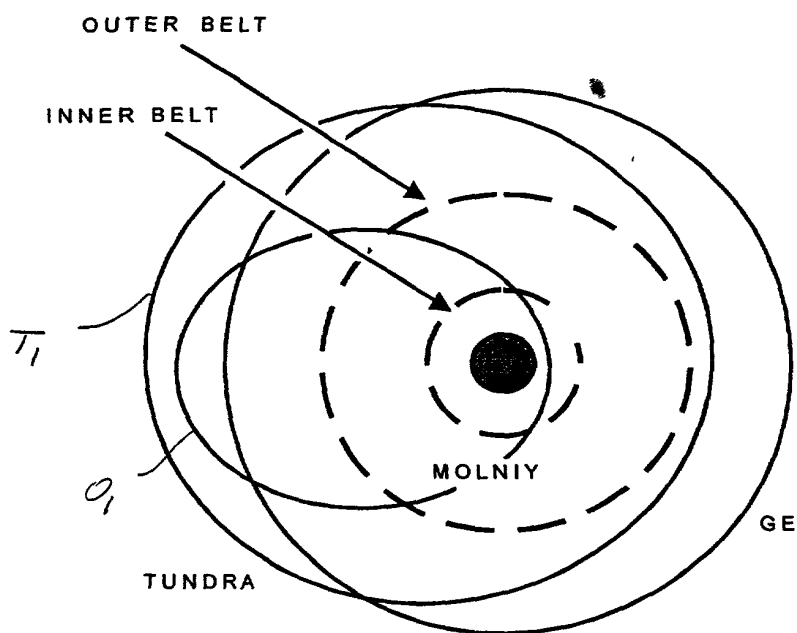


FIG. 3

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INNER BELT MAXIMUM INTENSITY AT ABOUT 10000 KM RADIU
OUTER BELT MAXIMUM INTENSITY AT ABOUT 27000 KM RADIU
TUNDRA ORBIT PERIGEE IS AT 31700 KM RADIUS

FIG. 4
(PRIOR ART)

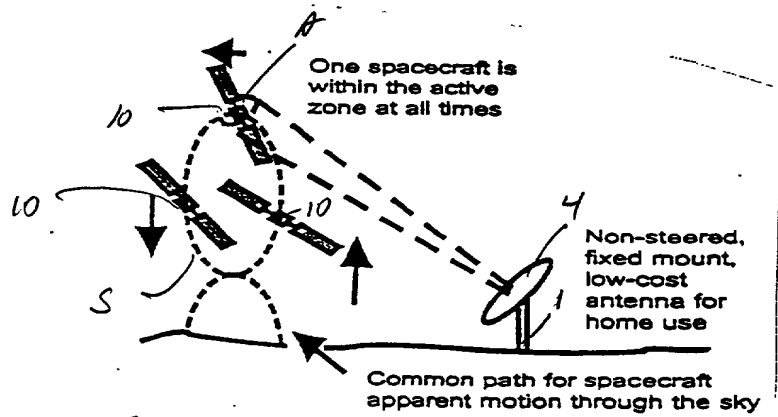


FIG. 5A

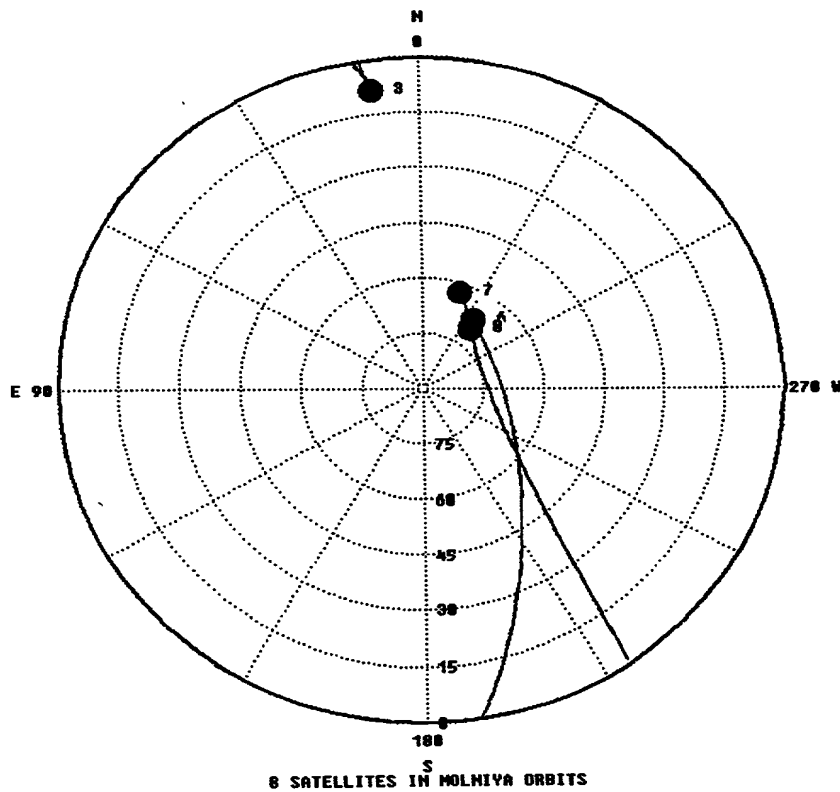


FIG. 5B

24-HOUR TUNDRA ORBIT WITH INCLINATION 55 DEG., ECCENTRICITY 0.268
ARGUMENT OF PERIGEE HISTORY - LUNI-SOLAR AND OBLATENESS PERTURBATIONS

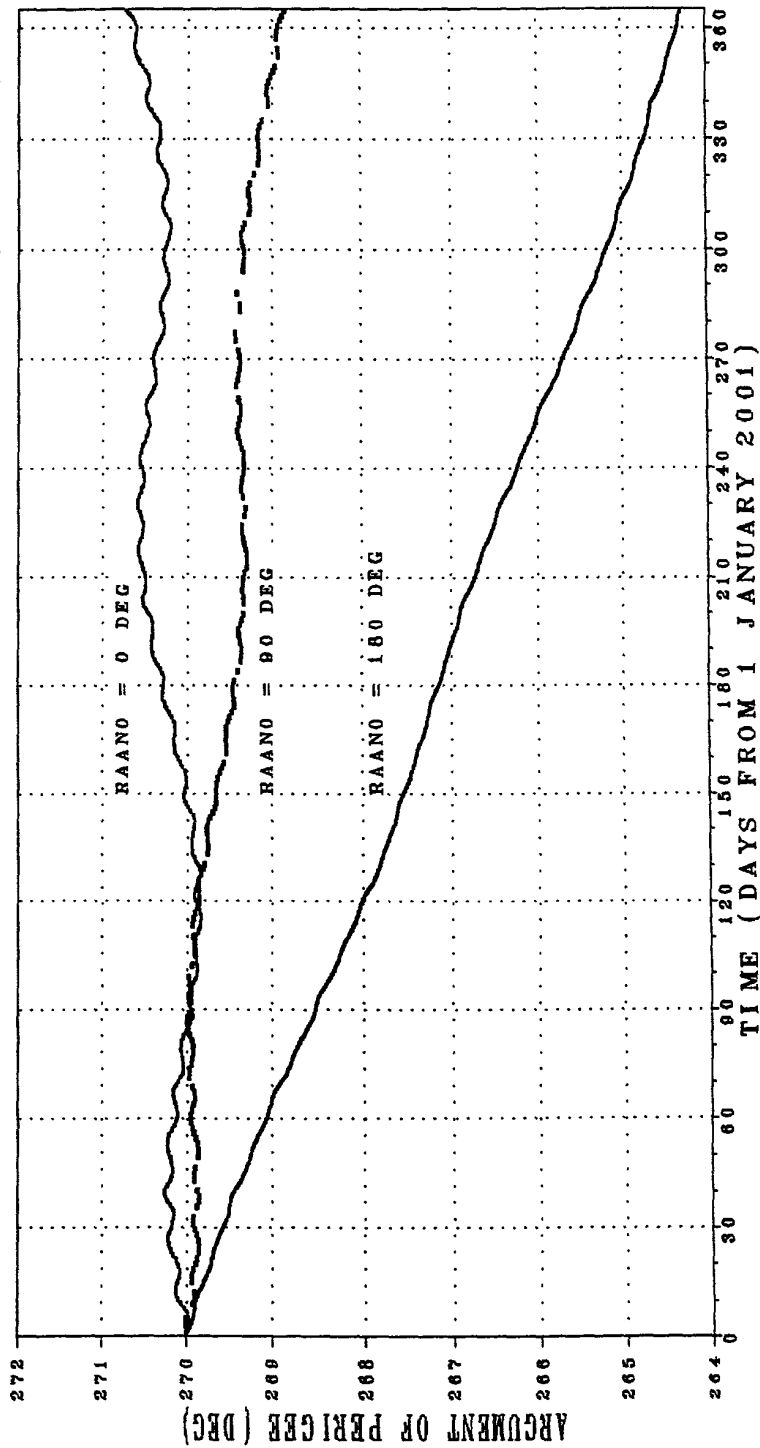
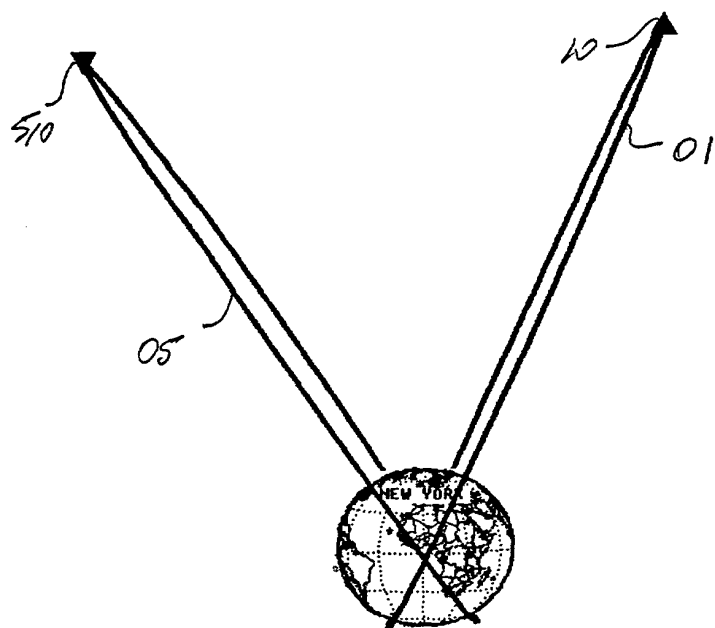


Fig. 6



2 LAUNCHES INTO 2 MOLNIYA ORBIT PLANES

FIG. 7

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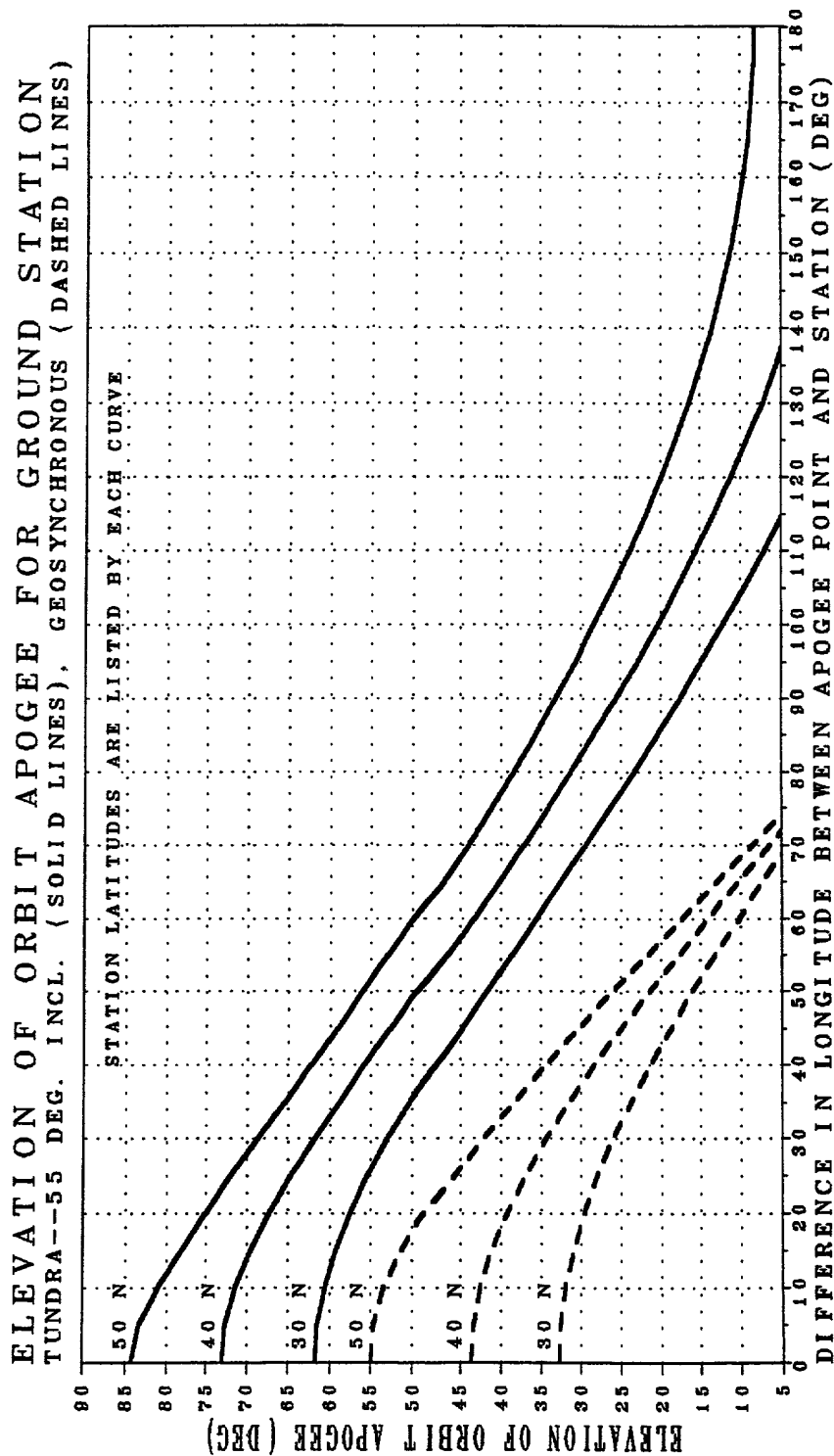


FIG. 8

10073599 024402

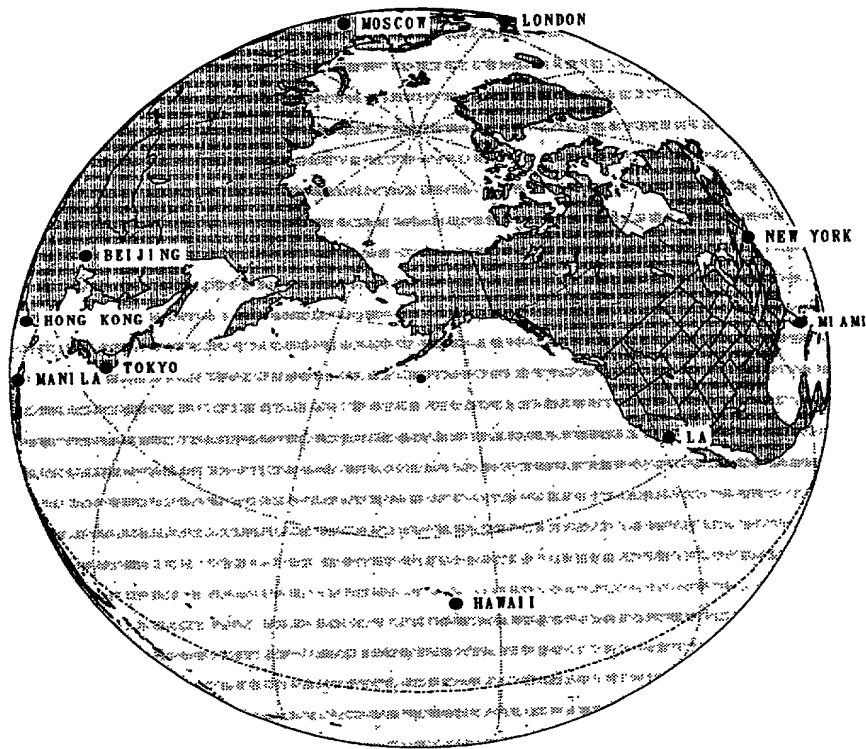


FIG. 9

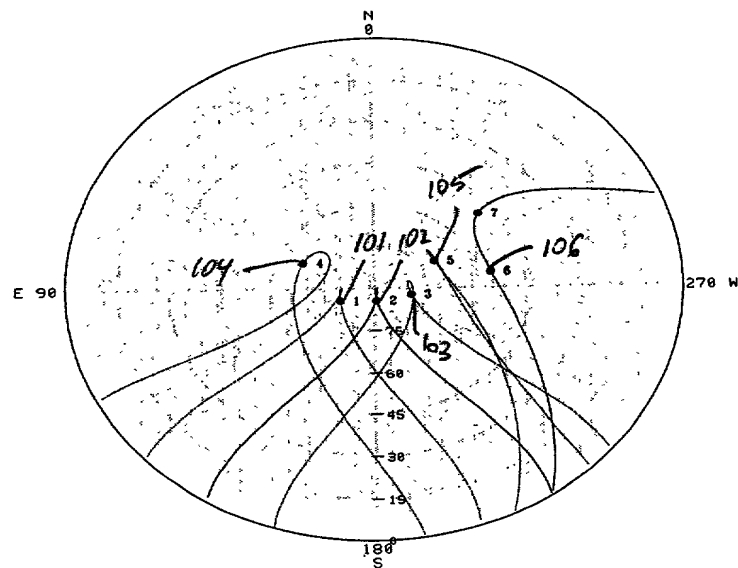


FIG. 10

201120-6692001

SPACECRAFT APPARENT MOTION AS VIEWED FROM A GROUND SITE
ANTENNA AIM POINT: OPTIMIZED DIRECTION TO MINIMIZE SPACECRAFT MOTION

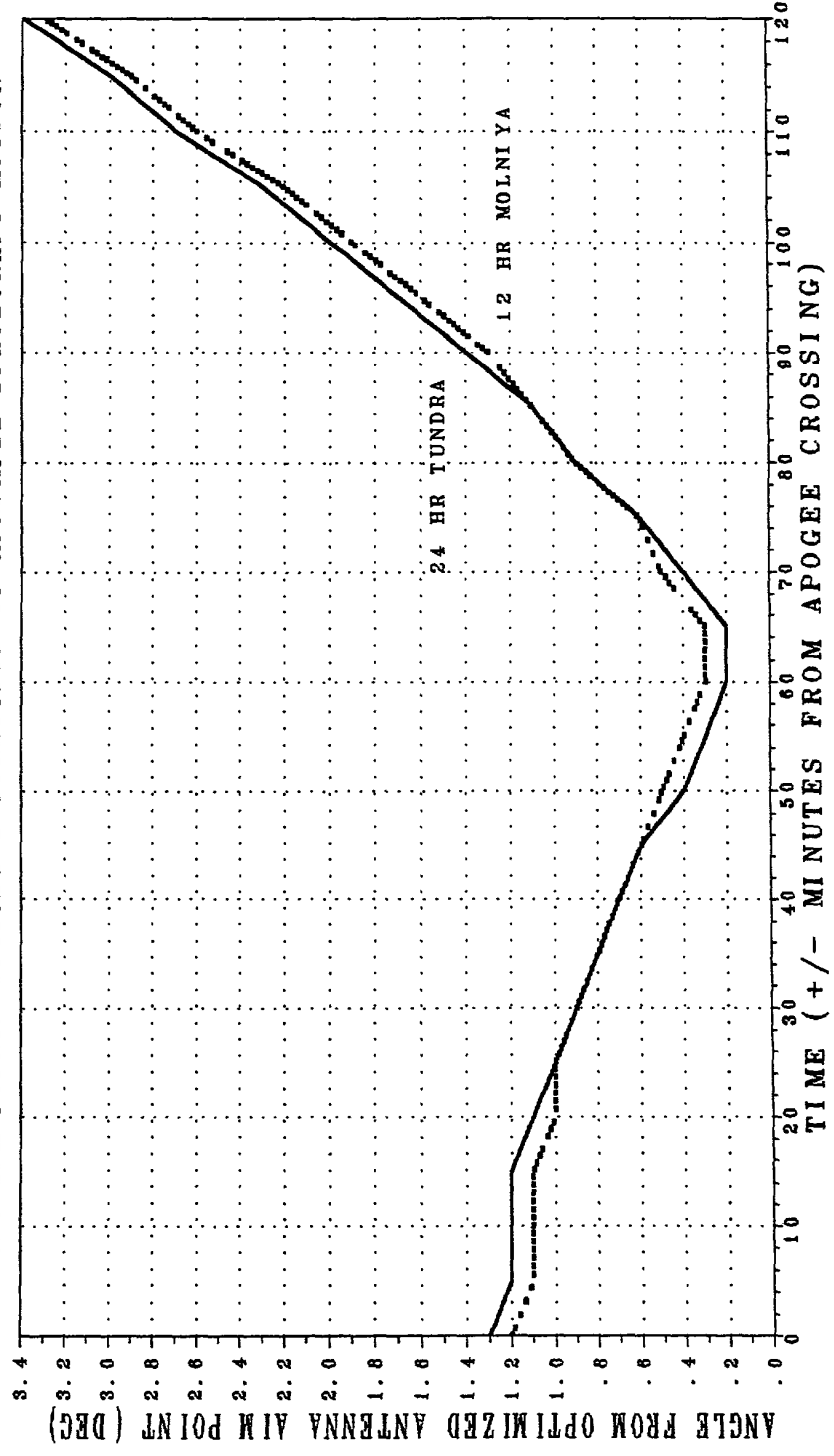


FIG. 11

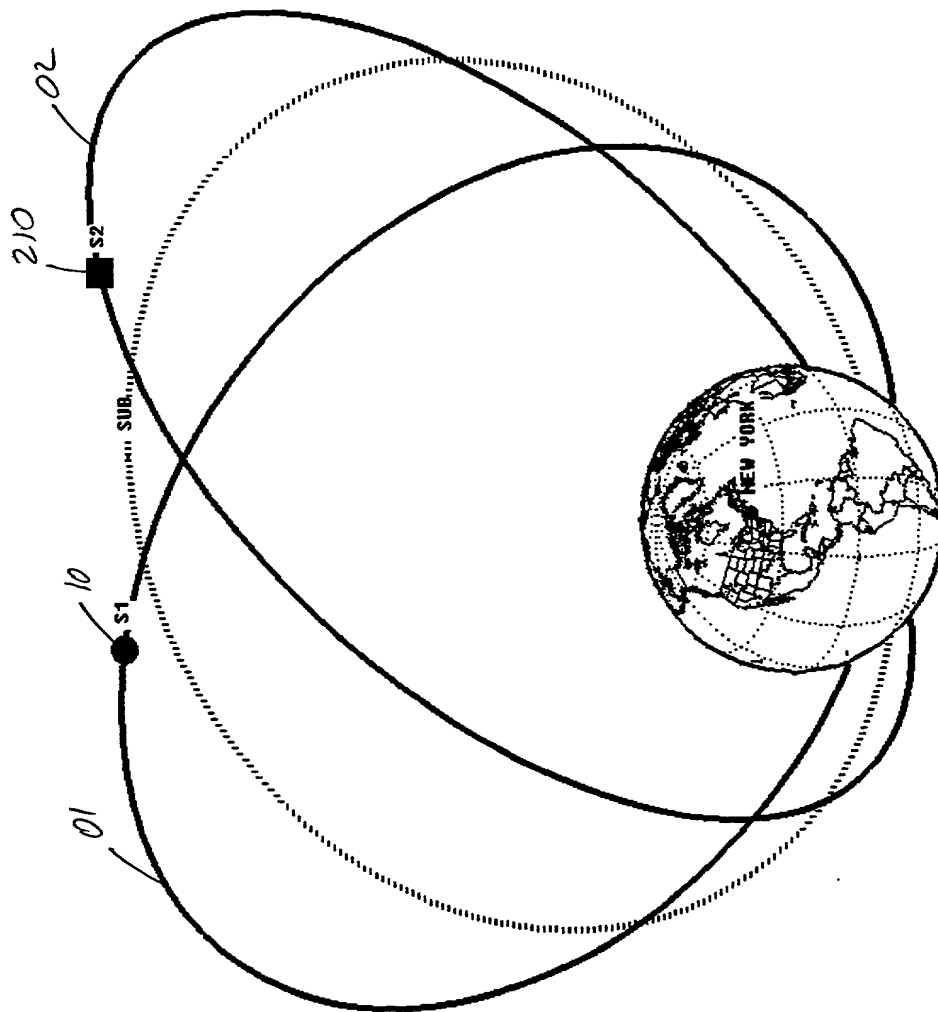


FIG. 12

2-SATELLITE LAUNCH AND MANEUVERING INTO 2 MOLNIYA ORBIT PLANES

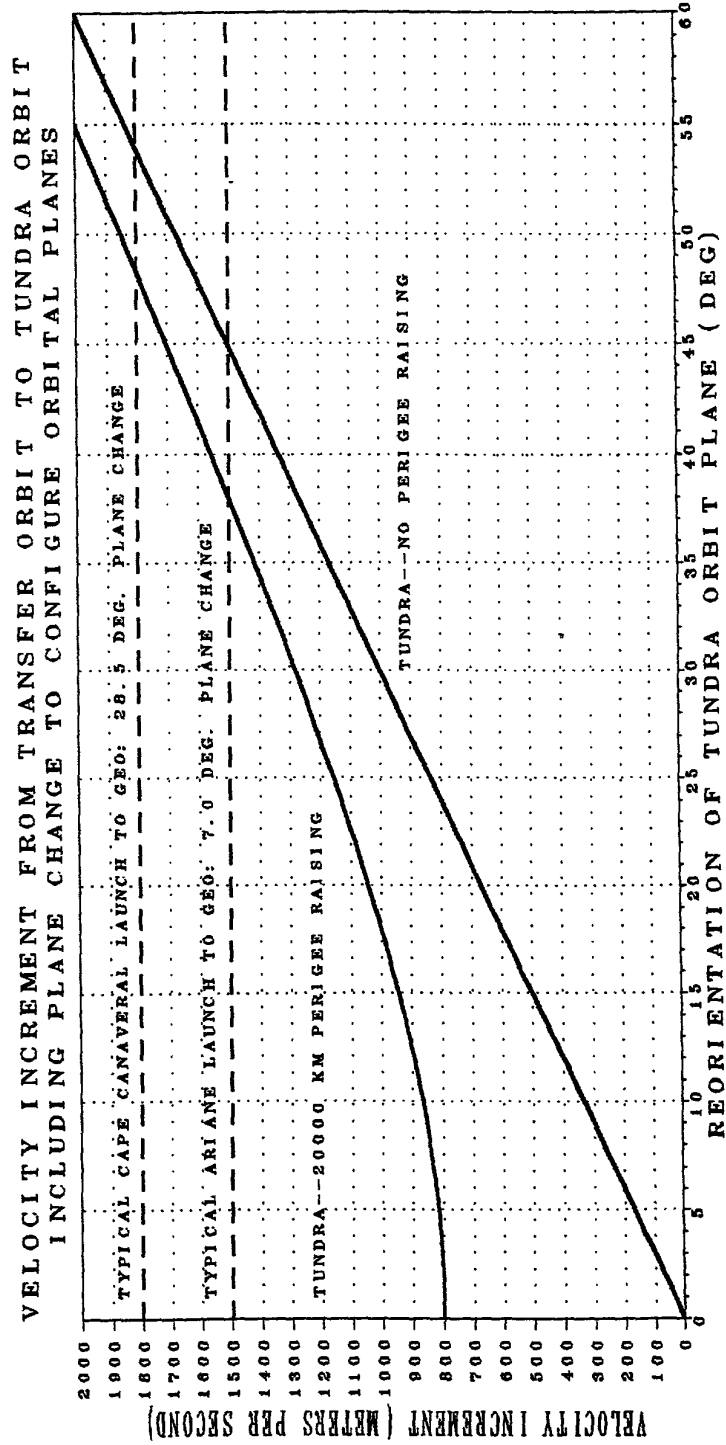


FIG. 13

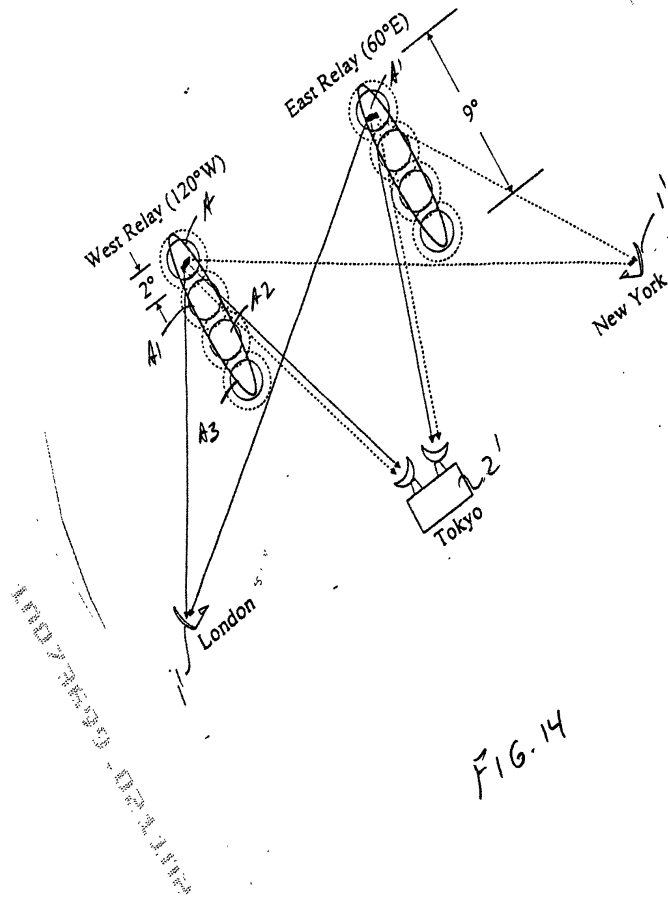


FIG. 14